



Enriching
Environments

 **SPC**
spc-hvac.co.uk

We understand
the value of
improving both
your internal
space and the
environment



Contents

- 1 | About Us
- 2 | Our Dedication to Innovation and Sustainability
- 3 | **Heating & Cooling Coils**
- 4 | Belgravia **Fan Convectors**
- 5 | Thematile TEN-TWELVE
Radiant Heating & Cooling Panels
- 6 | iTwenty Eight **Industrial Radiant Panels**
- 7 | CiRRUS **Unit Heaters**
- 8 | AIRDOR Forcefield and
iForce Industrial **Air Curtains**
- 9 | Metropolitan **Trench Heating & Cooling**
- 10 | Continuing Professional Development
(CPD) Courses
- 12 | Self-selection Software
- 13 | Active BIM Objects & ISO Certification

About us

Based in Leicester, UK, SPC has been proudly manufacturing heating and cooling solutions for over 50 years.

With a strong foundation in British manufacturing and innovation, we produce high-quality products for both public and private sector projects.

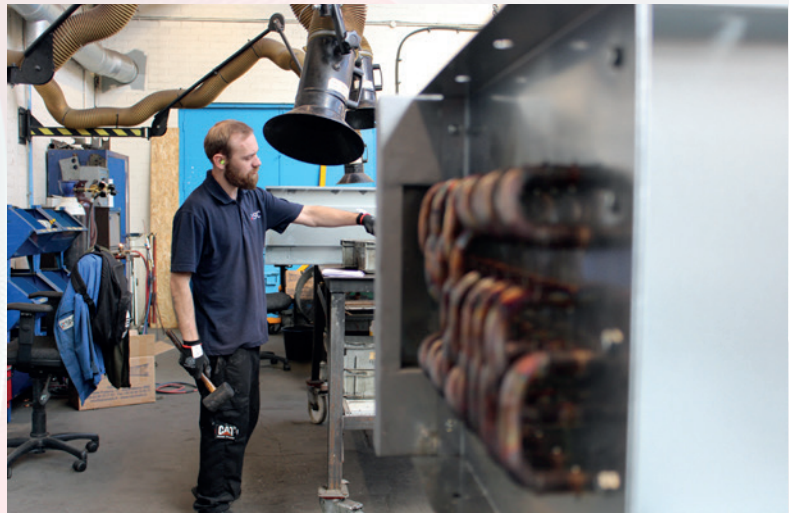
Our Leicester-based factory enables us to maintain exceptional standards while supporting sustainable and reliable manufacturing practices. We take pride in delivering solutions that not only enhance internal environments but also reflect our commitment to environmental responsibility.

Beyond our products, we also provide:

- Active BIM objects linked to product selection software
- Continuing Professional Development (CPD) courses
- Free self-selection software packages to support design and specification

We are dedicated to supporting every stage of your project, from initial planning and design to on-site delivery. With a flexible and friendly approach, our team ensures that your unique needs are met with expertise and care.

Choosing SPC means partnering with a company that values quality, sustainability, and a legacy of British manufacturing excellence.



"We offer the best possible solution for our customers and always aim to provide a professional and friendly service."



Our Dedication to Innovation and Sustainability

At SPC, we are dedicated to adapting our products to improve energy efficiency.

Commitment to Sustainability:

- We prioritise reducing energy consumption and minimising environmental impact.
- Our products are designed to support low water temperatures and integrate seamlessly with heat pump technology.

Tailored Solutions:

- Bespoke solutions are at the heart of what we do, ensuring products are tailored to meet specific project requirements.
- With in-house capabilities, including coil heat exchangers, enhanced and low-flow coil options, and EC motors as standard, we deliver flexibility and efficiency.

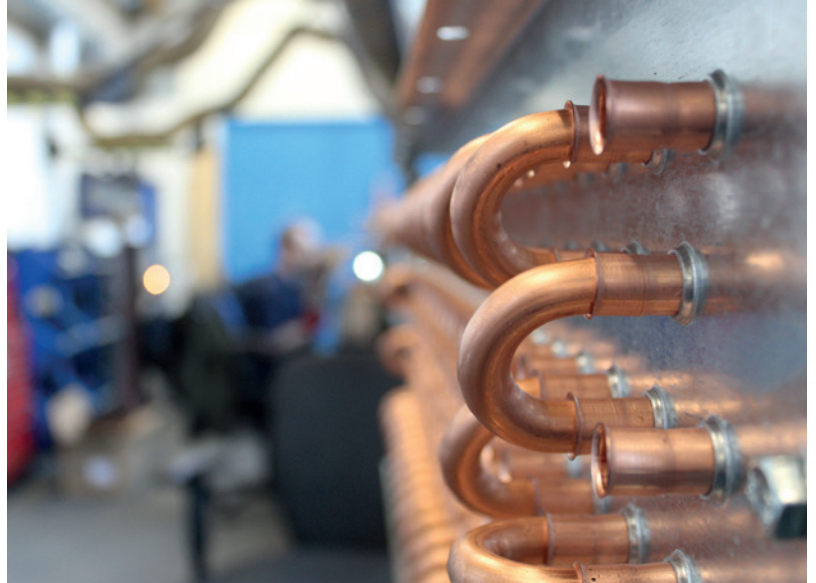
Versatile Product Range:

- From Belgravia Fan Convectors to Trench Heaters and Air Curtains, our products cater to a wide range of applications, including low water temperature systems.

Trusted Expertise:

- SPC is a recognised industry leader, dedicated to delivering innovative, high-quality heating and cooling solutions for all your needs.





Heating and Cooling Coils

Our heat exchanger coils are used whenever there is a need to heat, cool, or dehumidify the air – they are also used to recover heat.

Coils are found in ductwork and central plants in a variety of environments including hospitals, shopping centres, offices and laboratories. They also play a key part within industrial processes such as blast freezing, drying and material temperature control.

We offer a range of coil options that can be optimised to your needs:

Water coils transfer heat energy between water and air as quickly and efficiently as possible. Heating coils transfer energy from hot water to a stream of air and cooling coils extract energy from an air stream and add it to cold water.

Casing options: economy, standard, enclosed and unitary.

Steam coils are heat exchangers that transfer heat energy from steam to air as efficiently as possible. The heat energy comes from the latent heat of vapourisation of the steam as it changes phase from vapour to condensate.

Casing options: standard, enclosed and unitary.

Refrigerant coils transfer heat energy between the refrigerant and the air as quickly and efficiently as possible. Condenser coils transfer heat from the refrigerant to air as the refrigerant changes phase from vapour to liquid. DX evaporator coils transfer heat from the air into the refrigerant as it changes phase from liquid to vapour.

Casing options: standard, enclosed and unitary.

Runaround coils are self-contained heat recovery systems that consist of a matched pair of coil heat exchangers. The two coils are piped together in a continuous loop through which the heat-exchange medium (water or a water/anti-freeze mix) flows. A reclaim pump pack ensures that the medium flows between the two coils at the prescribed rate against the total system resistance.

Casing options: standard, enclosed and unitary.

Also available: Electric Heater Batteries, Reclaim Plus Pump Packs, Replacement coil service, site surveys and an online coil self-selection software

Belgravia Fan Convectors

Belgravia Fan Convectors are ideal for heat pumps and low water temperature systems, offering quick, efficient heat distribution while saving wall space compared to radiators.

Fan Convectors are a popular choice in educational institutions, libraries, places of worship, and office buildings due to their low maintenance requirements.

Bespoke Solutions for Your Projects

Belgravia Fan Convectors are available in a variety of styles and configurations to meet the unique requirements of your environment and operating conditions:

- Exposed/cased
- Recessed/concealed
- Low-level floor/wall installation
- Horizontal for ceiling installation
- High-level wall-mounted installation, designed to blow air downward

With energy-efficient EC/DC fan motors, all our Fan Convectors help reduce running costs, saving users hundreds of pounds over a unit's lifetime.



Free Site Surveys

Our Area Sales Managers are available to provide free site surveys, helping to identify the best Fan Convectors for your space and guiding contractors through the selection process.

Belgravia Fan Convectors Range

Our Fan Convectors are available in several options, including Low Surface Temperature (LST) units, fresh air units, and units suitable for use with condensing boilers and heat pumps:

Belgravia Supreme

Designed with rounded edges and no sharp corners, this model is ideal for environments where safety, appearance, and robustness are critical.

Provides up to 16.3kW heat output at standard operating conditions.

Belgravia Classic

The traditional design of the Belgravia Classic is available in multiple configurations and sizes.

Provides up to 16.3kW heat output at standard operating conditions.

Belgravia Tilevector

This ceiling cassette heater (measuring just 210mm high) fits neatly within a standard suspended ceiling grid. Available in LPHW or electric heating options, it delivers immediate warmth to those below.

Provides up to 9kW heat output at standard operating conditions.

For more information about our fan convectors and to download the product brochure and BIM objects please visit spc-hvac.co.uk

Thermatile TEN-TWELVE Radiant Heating and Cooling Panels

Radiant heating and cooling panels are a vital component of SPC's product range, providing cost-effective and efficient solutions for heating up a room quickly.

Available in a number of styles, these panels can be tailored to fit your environmental needs. Frequently used in offices, hospitals and schools, SPC's radiant range requires little to no maintenance, with all products featuring wipe-clean surfaces.

Thermatile TEN-TWELVE Radiant Heating Panels

These panels radiate heat from their surface to directly warm room surfaces and the room's occupants. Manufactured to easily fit into a standard suspended ceiling grid, Thermatile TEN-TWELVE panels are flexible as they can also be fitted into plasterboard ceilings, angled on walls, and freely suspend from soffits.



"SPC's radiant panels are maintenance free."



For more information about radiant heating and cooling and to download the product brochure and BIM objects please visit spc-hvac.co.uk

iTwenty Eight Industrial Radiant Panels

The iTwenty Eight product has been installed across Europe and is recognised as a market leader in industrial radiant panels.

SPC's iTwenty Eight Industrial Radiant Panels feature large bore waterways (28mm x 1.5mm thickness) and advanced twin headers to minimise thermal stress, ensuring reliability even for runs up to 70m. Modules, up to six metres long, can be joined with standard press fittings for extended panel runs with minimal pressure drops.

Key Features:

- **Twin Header Design:** Reduces expansion stress and the risk of leaks, unlike standard headers in competitor panels.
- **Optimised Radiant Efficiency:** Anti-convective side profiles ensure 81% radiant output, reducing heat losses and stratification.
- **Simplified Installation:** Same-end connections cut pipework and labour, while lightweight construction and pre-assembled modules speed up the process.
- **Versatile for Heating & Cooling:** Ideal for year-round applications, providing efficient heating in winter and cooling in summer.
- **Complete Package:** Supplied with spares, lightweight suspension kits, and an extended warranty for a hassle-free solution.



For more information about our iTwenty Eight Industrial Radiant Panel and to download the product brochure and BIM objects please visit spc-hvac.co.uk

CiRRUS Unit Heater

The CiRRUS Unit Heater is specially designed for installation in industrial or heavy commercial spaces such as factories, warehouses, storage spaces, distribution centres, garage spaces, and more.

These units provide a powerful jet of air angled into the occupied space, which can help provide local or overall heating of the work/storage area, thereby increasing your employees' comfort and productivity.

- Available in a range of sizes for a variety of mounting heights and heat outputs
- Horizontal units, wall-mounted with adjustable louvres angled to blow air down into the space
- Vertical units blowing directly down, suspended from the ceiling via rods
- White or black finish available as standard (any other RAL colour upon request)
- Supplied suitable for manual, automatic or BMS control
- Ideal for factories, storage spaces, distribution centres, garages etc.



For more information about our CiRRUS Unit Heater and to download the product brochure and BIM objects please visit spc-hvac.co.uk

AIRDOR Forcefield and iForce Industrial Air Curtains

Our range of Air Curtains are designed to provide powerful overhead heating, making them an efficient way to enhance comfort and save energy.

Air Curtains effectively counteract cold draughts from entering your building and prevent warm air from escaping outside, thereby maintaining a comfortable indoor temperature.

AIRDOR Forcefield

This powerful range of Air Curtains is specifically designed for applications requiring an invisible air barrier. With its unique features, AIRDOR Forcefield is ideal for public, commercial, or industrial building entrance areas.

Installation options

Our units can be installed over the doorway:

- Vertically or horizontally
- Wall or ceiling mounted
- Exposed or concealed

Heating options

Our LPHW Air Curtains provide air volumes of up to 640l/s and at standard operating conditions, can deliver up to 16kW.

Electric heated units provide up to 18kW of heat using three phase power. When using single phase power, the unit delivers up to 6kW of heat.

iForce Industrial Air Curtain

Our industrial Air Curtains are designed to protect doorways up to 6 metres in height and can be mounted either horizontally above the door or vertically along the sides of the door. We offer units in widths of 1.5m, 2.0m, and 2.5m.

iFORCE
INDUSTRIAL
AIR CURTAIN



For more information about our air curtains and to download the product brochure and BIM objects please visit spc-hvac.co.uk

Metropolitan Trench Heating and Cooling

Trench Heating and Cooling units are a solution to heat losses and gains through glazing. We offer natural and powered trench heating and cooling units that are energy-efficient and suitable for both commercial and domestic use.

Independently tested with a high output, our Trench Heating and Cooling range is extensive, offering a variety of heights, widths, lengths and finishes to fit your needs, all made in our Leicester factory.

Thoughtfully constructed to ensure the easiest installation possible, features include:

- A cover plate that hides connections and protects against dirt
- Height adjustable feet and telescopic supports
- Architectural grilles in a range of colours
- Edging trim that matches the finish and colour of the grille



Fan-assisted Electric Units

Electric Trench Heating units replace the traditional LTHW system with electrical 230V heat exchangers. These units feature ceramic PTC heating elements that can self-regulate and prevent overheating, ensuring that the unit cuts out before any hazards occur.

Natural Units

Installed beneath floor-to-ceiling windows, Metropolitan Natural Trench Heaters are suitable for use in offices, reception areas, hotels, restaurants and residential properties to eliminate draughts and enhance comfort.

Heating & Cooling Powered Units

Powered units can be specified when enhanced heat outputs are required. Low-power fans are whisper-quiet in operation and use EC/DC technology for enhanced controllability and energy efficiency.



For more information about our trench heaters and to download the product brochure and BIM objects please visit spc-hvac.co.uk

Continuing Professional Development (CPD) Courses

We are dedicated to enhancing the expertise of HVAC professionals. Since 1997, our CIBSE-accredited CPD sessions have delivered engaging and informative training tailored for architects, mechanical consultants, and contractors.

Each session lasts approximately one hour and provides practical insights to support your heating and cooling projects.

Our CPD Courses

1. Radiant Heating & Cooling – Fundamentals and Design Guide

Discover the fundamentals of radiant systems, their benefits for heating and cooling, and their integration with modern solutions like heat pumps.

2. Design Considerations for Trench Heating

Gain insights into trench heating systems, including applications, energy-efficient controls, and installation considerations.

3. Decarbonisation of Industrial & Commercial Heating Systems

Explore how low-temperature systems and heat pumps can reduce carbon emissions, alongside the latest on embodied carbon and available funding options.

Why Choose SPC CPDs?

- Expert-Led: Delivered by experienced HVAC professionals.
- Practical Focus: Insights to optimise your projects.
- Proven History: Over 25 years of CPD excellence.



For more information on our CPD courses
please visit spc-hvac.co.uk

Self-selection Software

SPC offers user-friendly, free software designed to make HVAC project planning effortless. With our tools, you can easily select, configure, and cost the perfect products for your needs. Simplify the specification process, ensure timely delivery, and gain confidence in your choices - all with just a simple registration.

Online Coil Selection Software

Easily select the most suitable heating and cooling coils for your application. Whether it's for water, refrigerant, or steam systems, our tool ensures quick and precise specifications tailored to your needs.

Features:

- Support for multiple system types: Water, Refrigerant, and Steam
- Fast and accurate coil specification
- Reduce delays and improve project timelines



Online Product Configurator

Customise SPC products to your exact project requirements using our versatile configurator. Tailor products with options for casing, controls, and output specifications.

Products included:

- Belgravia Fan Convectors: Classic, Supreme, and Tilevector models.
- CiRRUS Unit Heaters
- Forcefield Air Curtains
- iForce Industrial Air Curtains

Why Use SPC Software?

- Completely Free: No hidden costs, just simple registration
- Easy to Use: Simplifies complex specifications
- Time-Saving: Accelerates product selection and customisation
- Confidence in Choice: Ensures the right product for every application

Register today to access our free software tools and take the hassle out of HVAC project planning.

Active BIM Objects & ISO Certification

Active BIM Objects

SPC has enhanced Building Information Modelling (BIM) with our Active BIM Objects, linked directly to product selection programs. These tools provide project-specific data, including water temperatures, heat outputs, and air temperatures, which can seamlessly integrate into Revit models. This innovation not only saves time but also ensures compliance with BIM Level 2 standards.

Key Features:

- Fully compliant with BS 1192:4
- Created by an Autodesk-certified Engineer in Autodesk Revit 2024
- Provides precise project-level data for enhanced efficiency

For access to Active BIM Objects, please contact us for a quote or technical submittal. Alternatively, standard BIM objects are available for download from our website or BIMStore, but will require manual addition of project-specific data.

ISO 9001 Certification

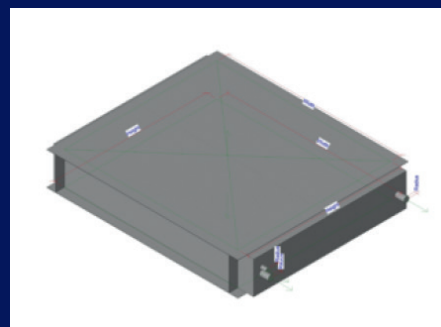
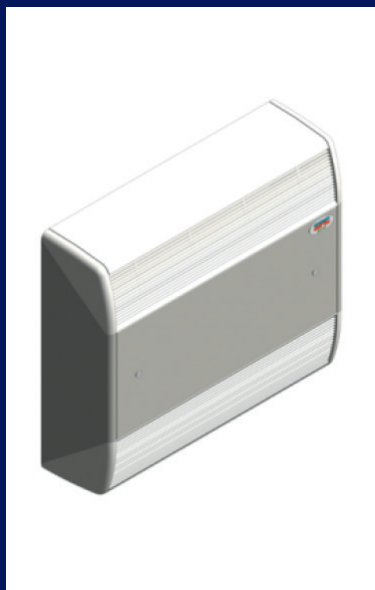
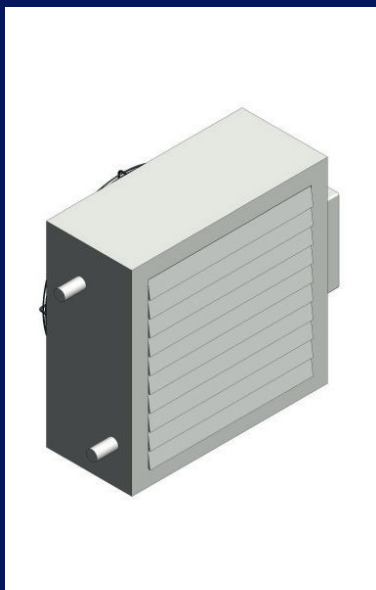
At SPC, quality is at the heart of everything we do. We are proud to hold the ISO 9001:2015 Quality Certification, an internationally recognised standard for excellence in quality management systems.

This accreditation demonstrates our commitment to:

- **Consistent Product Quality:** All products are manufactured in-house for maximum reliability
- **Continuous Improvement:** We are dedicated to refining our processes and exceeding customer expectations
- **End-to-End Support:** From planning and design to delivery, we work alongside our customers to ensure project success

Whether it's Heating & Cooling Coils, Fan Convectors, Radiant Panels, Trench Heating and cooling, or Unit Heaters, our rigorous quality standards ensure that every product meets and exceeds expectations.

By choosing SPC, you're partnering with a company committed to delivering innovative solutions backed by decades of expertise and ISO-certified quality assurance.





S & P Coil Products Limited trading as SPC

Trading Address:

SPC House, Evington Valley Road, Leicester, LE5 5LU

Registered Office:

15 Northgate, Aldridge, Walsall, England, WS9 8QD

T: 0116 249 0044

E: spc@spc-hvac.co.uk

spc-hvac.co.uk

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